

**BID PRICE FOR THE CONSTRUCTION OF NEW AGE MULTIFACETED URBAN CENTRE AT MISSION VENG,  
AIZAWL, MIZORAM**

The quoted rate and amount are inclusive of taxes, duties and cess including all cost payable by the successful Bidders in executing the contract .

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.				
		315.31	Cum		
2	Extra for cutting reinforcement bars in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work).				
		412.04	Sqm		
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:				
	In cement mortar				
		81.78	Cum		
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
	Of area beyond 3 sq. metres				
		52.00	Nos		
5	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.				
		5603.06	Kg		
6	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres :				
		5603.06	kg/m span		
7	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of:				
	G.S. Sheet				
		465.08	Sqm		
8	Earthwork in excavation over areas (exceeding 30cm in depth,1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
	Ordinary and Hard Soil				
		1212.40	cum		
9	Earthwork in excavation in foundation trenches or drains etc. (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m including getting out excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.				
	Hard Soil ( pick work )				
		561.56	cum		
10	Earthwork in excavation in foundation trenches etc. not exceeding 2 meters depth including dressing of bottom and sides of trenches and subsequent filling and compaction in 15cm layers as in column foundations, fence posts, etc. and disposal of all surplus soil as directed within a lead of 30 metres.				

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
	Chiselling/wedging out rock where blasting is prohibited.				
	Soft Rock.				
		210.40	cum		
11	Diluting and injecting chemical emulsion for post constructional anti termite treatment with Chlorpyriphos/Lindane emulsifiable chemical 20% with 1% concentration.				
	Along external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc complete				
		301.94	sqm		
12	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
		306.28	cum		
13	Disposal of excavated soil upto a lead of 10 km by mechanical transport				
	Earth				
		1845.89	cum		
14	Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work upto plinth level:				
	1:2:4 (1 cement :2 course sand :4 stone aggregate 20mm nominal size)				
		33.45	cum		
15	Providing and laying in position machine batched and machine mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. "(Note:- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately)				
	All work upto plinth level.				
	Slope footing				
		347.50	cum		
	All work above plinth level upto floor V level.				
		1125.75	cum		
16	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.				
	<i>Thermo-Mechanically Treated bars of grade Fe-500 or more</i>				
		253079.38	kg		
17	Centering and shuttering including strutting,propping etd. And removal of form for:				
	<i>Foundations, footings, bases of columns etc. for mass concrete.</i>				
	<i>Footing</i>	<i>Qty</i>	<i>Unit</i>		
		80.50	sqm		
	<i>Columns, pillars, piers, abutments, posts and struts.</i>				
		1404.02	sqm		

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
	<i>Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc.</i>				
		2860.26	sqm		
	<i>Suspended floors, roofs, landings, shelves and their support, balconies and chajja, etc.</i>				
		2629.44	sqm		
	Staircases (except spiral staircase) excluding landings.				
		125.73	sqm		
18	First class brickwork in foundation and plinth in :				
	in cement mortar 1: 3 ( 1 cement : 3 coarse sand )				
		7.04	cum		
19	Half brick masonry with first class brick in superstructure above plinth level upto floor V level.				
	<i>in cement mortar 1 : 3 ( 1 cement : 3coarse sand )</i>				
		1812.26	sqm		
20	15mm cement plaster 1 : 4 (1 cement : 4 fine sand).				
	Column plaster				
		1300.24	sqm		
	Beam plaster				
		2860.26	sqm		
	External wall & Internall Wall				
		3624.52	sqm		
	Water tank plaster				
		67.00	sqm		
	Septic tank plaster				
		61.28	sqm		
21	6mm cement plaster to ceiling 1 : 4 (1 cement : 4 fine sand)				
	Ceiling plaster				
		3099.48	sqm		
22	Providing and fixing perforated acoustical panel (Ceiling & Wall) of approved quality including fixing to frames with screws etc. complete. (Installation in wood batten system or steel keel system Frame work to be paid separately).				
		191.68	sqm		
23	Applying priming coat with ready mixed primer of approved brand and manufacture on plaster surface				
	Ready mix white primer				
		10884.50	Sqm		
24	Colour washing such as green, blue or buff on new work (two or more coats) with a base coat of white washing with lime to give an even shade.				
		10884.50	Sqm		
25	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade. New work (two or more coats)				
		1812.26	Sqm		

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
26	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately ). For fixed portion.				
	Anodised				
		320.66	Sqm		
27	Supplying of glass panes at site.				
	5mm thick plate sheet glass.				
		320.66	Sqm		
28	Providing 1st class local wood dressed in frames of chaukat for doors, windows, clerestory windows fixed in position.				
		1.94	Cum		
29	Providing and fixing 1st class local wood panelled shutters for doors etc. including M.S. butt hinges with necessary screws, etc. complete.				
	30 mm thick				
		61.30	Sqm		
30	Providing and fixing brass handles with necessary screws, etc. complete				
	150 mm				
		116	Nos		
31	Providing and fixing M.S. Oxidised tower bolts (socket bolts) bright finished with necessary screws etc. complete.				
	150 mm				
		58	Nos		
32	Providing and fixing M.S. Oxidised sliding door bolts (aldrops) bright finished and/or black enamelled with nuts and screws etc. complete.				
	300 x 16 mm				
		29	Nos		
33	Providing and fixing factory made PVC extruded section (Chaukhat) having overall dimation of 48x40mm with wall thickness 2.00mm + 0.2mm, corners of the door frame to be mitred and joined by means of pastic/ms galvanishsed brakets and stainless steel screws. The hinge side vertical of the frame reinforced by Galvanished MS tube of sise 19x19 mm and three nos stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of engineer-in-charge(Sintex, plasopan or equivalent):				
		46.80	Rm		

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
	Factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm ( $\pm 0.2$ mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm ( $\pm 0.2$ mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter) (Sintex, Plasopan or equivalent).				
34	24mm thick shutter				
		10.80	Sqm		
35	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 40mm dia. steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.				
		56.84	Sqm		
36	Regular coursed rubble masonry with hard stone in foundation upto one storey above and below ground level including curing, etc. complete.				
	in cement mortar 1 : 4 ( 1cement : 3 fine sand)				
		76.23	Cum		
37	Providing weep holes in brick masonry/stone masonry, plain/reinforced concrete, abutment, wing wall, return wall with 100mm dia AC pipe extending through the full width of the structure with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification.				
		104.00	Rm		
38	Providing and placing on terrace (at all floor levels) Polyethylene water storage tank with suitable locking arrangement and making nescessary hole for inlet, outlet and overflow pipes but without fittings and cost for base support.				
	Sintex or equivalent				
	5000ltrs				
		1000	ltrs		
	<b>STEEL WORK</b>				
39	Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In a grating, frames, guard bar, ladders, railings, brackets, gates & similar works.				
	Window guard rails- Providing 25 x 25 x2.6 Sqare tube @ 1.69 kg /m				
		3368.81	Kg		

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
40	Providing and fixing vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
	<i>White</i>				
		11	Nos		
41	Providing and fixing White vitreous china wash basin Standard of Parryware/ Hindware/ Cera and equivalent make with R.S. or C.I. brackets, 15mm C.P. brass pillar taps, C.P. brass chain with rubber plugs, 32mm C.P. brass waste of standard pattern, 32mm C.P. brass traps and union complete including painting of fittings and brackets, cutting and making good the walls wherever required.				
	Vitreous China Wash basin size 630x450 mm with single 15 mm C.P. brass pillar taps				
	(i) <i>white</i>				
		3	Nos		
42	Providing and fixing vitreous china tall pedestal of Parryware/ Hindware/ Cera and equivalent make for wash basin completely recessed at the back for the reception of pipes and fittings.				
	(i) <i>white</i>				
	<i>Wash basin</i>				
		9	Nos		
43	Providing and fixing vitreous china Urinal Flat Back Small 44 x 26.5 x 31.5cm size of Parryware/ Hindware/ Cera and equivalent make with flush valve/spray with C.I or R.S brackets standard size of G.I flush pipe and C.P brass spreaders with brass unions and G.I clamps complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required.				
	<i>Pastel</i>				
		5	Nos		
44	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.				
		8	Nos		
45	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P.brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever require				
		1	Nos		
46	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick asbestos sheet ground fixed to cleats with C.P. brass screws and washers.				
		18	Nos		
47	Providing and fixing C.P. brass towel rail with two C.P. brass brackets to wooden cleats with C.P. brass screws.				
	750x20mm size.				
		18	Nos		
48	Providing and fixing toilet paper holder.				
	<i>C.P. brass toilet paper holder of standard size.</i>				
		11.00	Nos		

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
49	Providing and fixing on wall face SWRPVC soil, waste and vent pipes including jointing with rubber lubricant/cement solvent complete.				
	110mm dia.				
		137.32	rm		
	75mm dia.				
		64.00	rm		
50	Providing and fixing SWRPVC plain bend of required degree ( 87.50° ) including jointing with rubber lubricant/cement solvent complete.				
	110 mm dia.				
		38	Nos		
	75mm dia.				
		12	Nos		
51	Providing and fixing SWRPVC plain bend of required degree (45°) including jointing with rubber lubricant/cement solvent complete				
	110 mm dia.				
		14.00	Nos		
	75mm dia.				
		5.00	Nos		
52	Providing and fixing single equal SWRPVC plain junction of required degree ( T-junction ) .				
	110x110x110mm.				
		8	Nos		
	75x75x75mm.				
		6	Nos		
53	Providing and fixing SWRPVC plain junction of required degree with access door (Y-junction) including jointing with rubber lubricant/cement solvent.				
	110 mm Y-junction of SWRPVC with access door.				
		8	Nos		
	75 mm Y-junction of SWRPVC with access door				
		6	Nos		
54	Providing and fixing ventilation cowl including jointing with rubber lubricant/cement solvent complete.				
	110mm SWRPVC vent cowl				
		8.00	Nos		
55	Providing and fixing G.I. pipe complete with G.I. fitting including trenching and refilling etc. (external work).				
	40mm dia nominal bore.				
		56	rm		
56	Making connection of G.I. distribution branch with G.I. main 25mm to 40mm nominal bore by providing and fixing Tee including cutting and threading the pipe etc. complete.				
		11	Nos		
57	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid seperately).				
		2	Nos		

Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
58	Providing and fixing G.I. pipes complete with G.I. fitting and clamps, including cutting and making good the walls etc. (internal works- exposed on wall).				
	20mm dia nominal bore				
		90.00	rm		
59	Extra for concealed in brick and RCC works by making chases upto 7.5x7.5cm in walls and making good the same after housing pipes, etc.				
		90.00	rm		
60	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) .				
	20 mm nominal bore				
		6	Nos		
	25 mm nominal bore				
		4	nos		
61	Providing and fixing brass bib cock of approved quality.				
	20mm nominal bore				
		12	nos		
62	Providing and fixing brass stop cock of approved quality.				
	20mm nominal bore				
		4	nos		
63	Painting G.I pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality.				
	40mm dia pipe				
		56	rm		
64	Providing and fixing chromium plated brass shower rose with 15 or 20mm inlet.				
	150mm dia CP brass shower rose.				
	<i>Shower</i>				
		1	Nos		
65	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work - Exposed on wall				
	20mm dia nominal bore				
		67.80	Rm		
	25mm dia nominal bore				
		49.20	Rm		
	32mm dia nominal bore				
		37.80	Rm		
66	Making connection of CPVC pipes distribution branch by providing and fixing equal Tee with jointing, testing complete including cutting and making good etc.				
	20mm dia nominal bore.				
		15	No		
	25mm dia nominal bore.				
		12	No		



Sl.No.	Particulars	Qty	Unit	Rate	Amount (Rs)
	32mm dia nominal bore.				
		9	No		
67	Making connection of Astral CPVC pipes distribution branch by providing and fixing reducing Tee with jointing, testing complete including cutting and making good etc.				
	25x25x20mm				
		12	No		
68	Providing and fixing Indoor Badminton Pvc Vinyl Flooring of approved quality and make on existing levelled floor complete.				
		404.48	Sqm		
69	Structural steel work rivetted, bolted welded in built up sections, trusses and framed works, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (In Tees, R.S. Joists, Angles, Flats and Channels.)				
		6914.18	Kg		
70	Providing Trapezoidal Polyester Coated Galvanised Steel Sheets Roofing of any colour of 1.06m width at all levels including fitting and fixing ridging with self drilling , self tapping screws, EPDM washers etc. complete excluding the cost of purlin, rafter and trusses.				
	For 0.50 mm thick :				
		585.66	Sqm		
71	Internal & external electric installations			Lump Sum	
	<b>TOTAL</b>				